



# Brick

## Product Data

### NULINE 3-99 TI

Classification: Resin Bonded, Magnesia-Carbon Brick  
 15 % Carbon Class – Fused Grain  
 Strength and Antioxidant Additions  
 Tar Impregnated

<u>Physical Data: (Typical)</u>	<u>English Units</u>	<u>SI Units</u>
Bulk Density	<u>lb/ft<sup>3</sup></u> 186	<u>g/cm<sup>3</sup></u> 2.98
Coked Properties		
Density	182	2.92
Porosity	9.8%	
Nominal Carbon	14.5%	
Modulus of Rupture	<u>lb/in<sup>2</sup></u>	<u>MPa</u>
At 70°F (21°C)	2,700	18.6
At 2000°F (1093°C)	3,300	22.8
Crushing Strength		
At 2800°F (1538°C)	5,700	39.3

Chemical Analysis:  
 (Approximate)

Silica	(SiO <sub>2</sub> )	0.5%
Alumina	(Al <sub>2</sub> O <sub>3</sub> )	7.4
Iron Oxide	(Fe <sub>2</sub> O <sub>3</sub> )	0.4
Lime	(CaO)	1.1
Magnesia	(MgO)	90.6

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

2/5/2008 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet